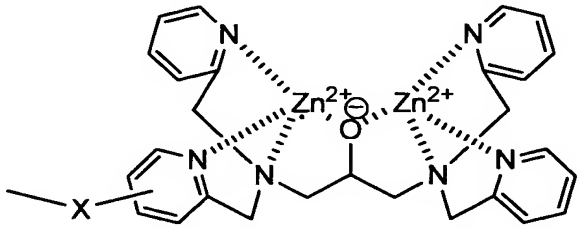
C L A I M S

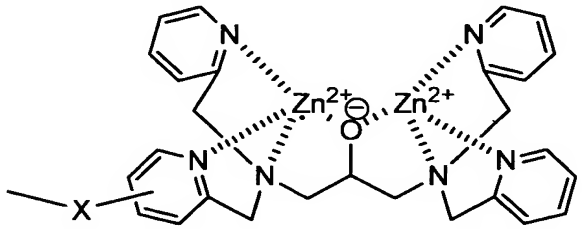
1. A method for measuring a surface plasmon resonance, comprising:
placing a noble metal compound on a bottom face of a prism,
irradiating a light to the prism to detect a reflected light,
wherein,
the noble metal compound has substituents of following formula (I) on a side opposite to a side contacting the prism, and
a subject sample is added to a side having the substituent groups (I) in the noble metal compound.



(I)

[wherein, X represents a linker group]

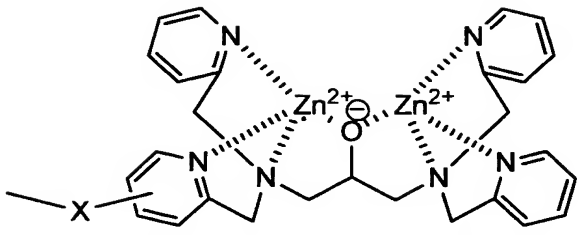
2. A method for measuring a surface plasmon resonance, comprising:
adding a noble metal compound having substituents of formula (I) on a surface thereof to a subject sample, and
using Raman spectroscopy.



(I)

[wherein, X represents a linker group]

3. A noble metal compound having substitutents of following formula (I) on a surface thereof.



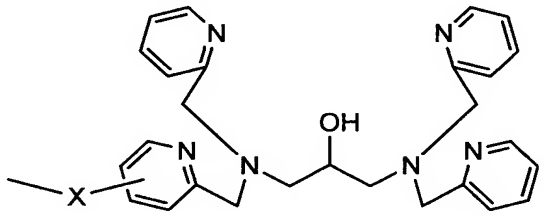
(I)

[wherein, X represents a linker group]

4. The noble metal compound according to claim 3, wherein the noble metal compound has a film-shape.

5. The noble metal compound according to claim 3, wherein the noble metal compound has a particle-shape.

6. A precursor compound having substituents of following formula (VII) on a noble metal surface.



(VII)

[wherein, X represents a linker group]

7. The precursor compound according to claim 6, wherein the noble metal compound has a film-shape.

8. The precursor compound according to claim 6, wherein the noble metal compound has a particle-shape.